

Kush Bhatt

Perth, Western Australia

P: +61 426 944 464

E: kushb2712@gmail.com

L: www.linkedin.com/in/kushb2712

PROFILE

Fourth-year Mechanical Engineering (Honours) student specialising in Process Engineering with extensive hands-on experience delivering high-volume technical installations in client-facing environments. Proven ability to lead on-site teams, manage workload and logistics, diagnose technical issues, and deliver quality outcomes independently. Seeking engineering internship opportunities in the Mining, Energy, Resources, or Defence sectors.

CAREER HISTORY

AV Installation Contractor (Lead Technician)

Nov 2022 - Present

AV Contractor at JB HI-FI Installs, Perth, WA

- Appointed as one of the youngest AV installation contractors for JB Hi-Fi in Western Australia, reflecting strong technical capability and reliability.
- Delivered 2500+ commercial & residential AV installations, including TVs, home theatre systems, and integrated AV solutions.
- Consistently achieved 95%+ positive customer feedback, providing high-quality installations with minimal callbacks.
- Acted as lead technician on-site, supervising offsiders and coordinating job execution under time and safety constraints.
- Managed end-to-end job delivery including client consultation, fault diagnosis, installation, commissioning, and handover.
- Diagnosed and resolved complex mechanical, structural, and technical issues across varied site conditions.
- Ensured strict compliance with WHS requirements, maintaining safe, non-hazardous work environments.
- Managed inventory, tools, logistics, and daily workload planning across high-volume schedules.

RELEVANT WORK

Gearbox Design and Analysis Project

Oct 2025

Curtin University, Perth, WA

- Designed and analysed a two-stage spur-gear reduction gearbox (1200 rpm Input, 1.8 kW Output) to meet industrial speed and torque specifications.
- Performed detailed torque, bending, and fatigue stress analysis for shaft design, material selection, and limits-and-fits in accordance with ISO standards.
- Produced professional CAD detail and assembly drawings compliant with Australian engineering drawing standards.

Sustainable Artefact Storage Design Project

Oct 2023

Engineers Without Borders (EWB) & Curtin University, Perth, WA

- Led a team of 5 to design a low-cost, sustainable artefact storage module.
- Ensured stakeholder needs were met through research and consultation while controlling project constraints in cost, materials, and energy efficiency.
- Led submission of a tender for construction and proposal evaluations, while overseeing project planning and execution to deliver a culturally significant and durable solution.

EDUCATION

Bachelor of Engineering (Honours)

2023 - Present

Curtin University

Bachelor of Engineering (Honours) | Fourth Year (Penultimate Year)

Majoring in Mechanical Engineering while Specialising in Process Engineering

Relevant Coursework: Applied Heat Transfer, Applied Fluid Mechanics, Machine Design, Vibrations & Linear Systems, Fluid & Particle Processes and Computer Aided Drawing (CAD)

Western Australian Certificate of Education

2017 - 2022

John Forrest Secondary College - Perth, WA

- Graduated with a 89 ATAR

KEY SKILLS

- Engineering design and analysis using SolidWorks, AutoCAD, and MATLAB
- CAD drawings and documentation to Australian engineering standards
- On-site leadership, WHS compliance, and risk awareness
- Project coordination, client communication, and workload management
- Mechanical and technical fault diagnosis in site-based environments
- Structured problem solving and decision making under pressure

CERTIFICATIONS

Construction Induction Card (White Card)

Oct 2019

Electrical Safety Awareness Course

Mar 2024

VOLUNTEERING

Curtin Orientation Week Volunteer

Jul 2025

Curtin University, Perth, WA

- Assisted in organising events for 100+ new students, enhancing campus engagement and fostering a collaborative engineering community.

Community Support

Feb 2023 - Present

- Handled kitchen operations, co-teaching children's classes, assisted in organising sports carnivals and community festivals, demonstrating teamwork, leadership and efficient time management.

ACHIEVEMENTS

Engineers Without Borders Challenge Participant

Oct 2023

Engineers Without Borders, Perth, WA

- Acquired skills in sustainable design, project management & cross cultural engineering solutions.

Forrester's Award

Nov 2022

John Forrest Secondary College, Perth, WA

- In recognition of Outstanding Achievements and being an Outstanding Role-Model for the Community.

REFEREES

Jeremy Wallace

Western Australia State Manager

JB Hi-Fi Installs

Contact Details: Available upon request